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OM protein - protein search, using sw model

Run on: May 19, 2003, 16:43:42 ; Search time 19.8719 Seconds
(without alignments)
553.754 Million cell updates/sec

Title: US-09-625-573-2
Perfect score: 1970
Sequence: 1 MLSTSRFRIRNTNESGEV.....GKGKSIGRAPEASLQDKEGA 374

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues
Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents, AA: *
1: /cgn2_6/prodata/1/iaa/5A_COMB.pep.*
2: /cgn2_6/prodata/1/iaa/5B_COMB.pep.*
3: /cgn2_6/prodata/1/iaa/6A_COMB.pep.*
4: /cgn2_6/prodata/1/iaa/6B_COMB.pep.*
5: /cgn2_6/prodata/1/iaa/6C_COMB.pep.*
6: /cgn2_6/prodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	1970	100.0	374	1	US-08-450-393A-2
2	1970	100.0	374	4	US-08-446-669-2
3	1970	100.0	374	5	PCT-US95-00476-2
4	1823	92.5	344	3	US-08-466-343D-9
5	1651.5	83.8	360	1	US-08-450-393A-4
6	1651.5	83.8	360	4	US-08-446-669-4
7	1651.5	83.8	360	4	US-09-045-583-50
8	1651.5	83.8	360	4	US-09-534-185-50
9	1645.5	83.5	360	5	PCT-US95-00476-4
10	1645.5	83.5	360	4	US-08-833-752-7
11	1614.5	82.0	360	4	US-09-045-583-51
12	1614.5	82.0	360	4	US-09-534-185-51
13	1589.5	80.7	347	1	US-08-461-244-3
14	1236	62.7	352	4	US-09-517-605-5
15	1234	62.6	354	4	US-08-724-984A-2
16	1230	62.4	352	4	US-09-045-583-52
17	1230	62.4	352	4	US-09-534-185-52
18	1224	62.1	352	4	US-09-087-232A-13
19	1224	62.1	352	4	US-08-861-105-14
20	1224	62.1	352	4	US-08-575-967A-2
21	1224	62.1	352	4	US-08-833-752-5
22	1215	61.7	352	3	US-08-466-343D-2
23	967.5	49.1	355	1	US-08-012-988A-2
24	967.5	49.1	355	1	US-08-450-393A-5
25	967.5	49.1	355	4	US-08-446-669-5
26	967.5	49.1	355	4	US-09-239-938-1
27	967.5	49.1	355	5	PCT-US95-00476-5

28 940.5 47.7 355 4 US-08-833-752-9
29 911.5 46.3 355 4 US-09-045-583-53
30 911.5 46.3 355 4 US-09-534-185-53
31 886.5 45.0 355 4 US-08-575-967A-4
32 886.5 45.0 355 4 US-08-847-296B-1
33 886.5 45.0 355 4 US-09-045-583-54
34 886.5 45.0 355 4 US-09-534-185-54
35 858.5 43.6 355 4 US-08-833-752-8
36 831.5 42.2 360 4 US-08-875-573-20
37 831.5 42.2 360 4 US-09-232-878-2
38 831.5 42.2 360 4 US-09-045-583-55
39 831.5 42.2 360 4 US-09-534-185-55
40 797 40.5 360 4 US-08-833-752-10
41 723 36.7 355 1 US-08-461-244-2
42 723 36.7 355 4 US-09-045-583-56
43 723 36.7 355 4 US-09-534-185-56
44 698 35.4 355 1 US-08-153-848-28
45 698 35.4 355 1 US-08-153-848-32

ALIGNMENTS

RESULT 1
US-08-450-393A-2
; Sequence 2, Application US/08450393A
; Patent No. 5707815
; GENERAL INFORMATION:
; APPLICANT: Charo, Israel
; APPLICANT: Coughlin, Shaun
; TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT
; TITLE OF INVENTION: PROTEIN RECEPTORS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
; STREET: 5 Palo Alto Square
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94306-2155
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/450,393A
; FILING DATE: May 25, 1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Cserr, Luann
; REGISTRATION NUMBER: 31,822
; REFERENCE/DOCKET NUMBER: UCAL-237/02US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-843-5165
; TELEFAX: 415-8857-0663
; TELEX: 380816Coolleypa
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 374 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-450-393A-2

Query Match 100.0%; Score 1970; DB 1; Length 374;
Best Local Similarity 100.0%; Pred. No. 1.8e-150;
Matches 374; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MLSTSRFRIRNTNESGEVTTFFDYDYGAPCHKFDVKQIGALLPPLYSLVFIQFVGN 60
Db 1 MLSTSRFRIRNTNESGEVTTFFDYDYGAPCHKFDVKQIGALLPPLYSLVFIQFVGN 60

QY 61 MLVVLILINCKKLCCLTDIYLLNLAIISDLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120
DB 61 MLVVLILINCKKLCCLTDIYLLNLAIISDLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120
QY 121 HIGYFGGIFFIILLTIDRYLAIVHAFKARTVTFGVVTSVITWLAVAFASVPGIIFTK 180
DB 121 HIGYFGGIFFIILLTIDRYLAIVHAFKARTVTFGVVTSVITWLAVAFASVPGIIFTK 180
QY 181 CQKEDSVYCGPYPPRGWNNFHTIMRNILGLVPLLLIMVICYSGILKTLRCRNEKKRHR 240
DB 181 CQKEDSVYCGPYPPRGWNNFHTIMRNILGLVPLLLIMVICYSGILKTLRCRNEKKRHR 240
QY 241 AVRVIETIMIVYFLFWTPYNYVILLNTFOEFFGLSNCESTSQLDQATQVETLGMTHCCI 300
DB 241 AVRVIETIMIVYFLFWTPYNYVILLNTFOEFFGLSNCESTSQLDQATQVETLGMTHCCI 300
QY 301 NPIIYAFVGEKFRSLFHIALGCRAPLQKPVCGGPGVPRGNKVKVTTQGLLDGRGKXSI 360
DB 301 NPIIYAFVGEKFRSLFHIALGCRAPLQKPVCGGPGVPRGNKVKVTTQGLLDGRGKXSI 360
361 GRAPEASLQDKEGA 374
DB 361 GRAPEASLQDKEGA 374

RESULT 2

US-08-446-669-2
; Sequence 2, Application US/08446669
; Patent No. 6132987
; GENERAL INFORMATION:
; APPLICANT: Charo, Israel
; APPLICANT: Coughlin, Shaun
; TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT
; TITLE OF INVENTION: PROTEIN RECEPTORS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
; STREET: 5 Palo Alto Square
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94306-2155
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/446,669
; FILING DATE: May 25, 1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Neeley, Richard
; REGISTRATION NUMBER: 30,092
; REFERENCE/DOCKET NUMBER: UCAL-237/01US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-843-5000
; TELEFAX: 415-857-0663
; TELEX: 380816COOLEYPA
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 374 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-446-669-2

Query Match 100.0%; Score 1970; DB 4; Length 374;
Best Local Similarity 100.0%; Pred. No. 1.8e-150;
Matches 374; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MLSTSRSRFIRNTNSESGETVTFDDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIQFVGN 60
|||||

DB 1 MLSTSRSRFIRNTNSESGETVTFDDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIQFVGN 60
QY 61 MLVVLILINCKKLCCLTDIYLLNLAIISDLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120
DB 61 MLVVLILINCKKLCCLTDIYLLNLAIISDLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120
QY 121 HIGYFGGIFFIILLTIDRYLAIVHAFKARTVTFGVVTSVITWLAVAFASVPGIIFTK 180
DB 121 HIGYFGGIFFIILLTIDRYLAIVHAFKARTVTFGVVTSVITWLAVAFASVPGIIFTK 180
QY 181 CQKEDSVYCGPYPPRGWNNFHTIMRNILGLVPLLLIMVICYSGILKTLRCRNEKKRHR 240
DB 181 CQKEDSVYCGPYPPRGWNNFHTIMRNILGLVPLLLIMVICYSGILKTLRCRNEKKRHR 240
QY 241 AVRVIETIMIVYFLFWTPYNYVILLNTFOEFFGLSNCESTSQLDQATQVETLGMTHCCI 300
DB 241 AVRVIETIMIVYFLFWTPYNYVILLNTFOEFFGLSNCESTSQLDQATQVETLGMTHCCI 300
QY 301 NPIIYAFVGEKFRSLFHIALGCRAPLQKPVCGGPGVPRGNKVKVTTQGLLDGRGKXSI 360
DB 301 NPIIYAFVGEKFRSLFHIALGCRAPLQKPVCGGPGVPRGNKVKVTTQGLLDGRGKXSI 360
361 GRAPEASLQDKEGA 374
DB 361 GRAPEASLQDKEGA 374

RESULT 3

PCT-US95-00476-2
; Sequence 2, Application PC/TUS9500476
; GENERAL INFORMATION:
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT
; TITLE OF INVENTION: PROTEIN RECEPTORS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Robbins, Berliner & Carson
; STREET: 201 N. Figueroa Street, 5th Floor
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90012-2628
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/00476
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Berliner, Robert
; REGISTRATION NUMBER: 20,121
; REFERENCE/DOCKET NUMBER: 5555-291
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 310-977-1001
; TELEFAX: 310-977-1003
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 374 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US95-00476-2

Query Match 100.0%; Score 1970; DB 5; Length 374;
Best Local Similarity 100.0%; Pred. No. 1.8e-150;
Matches 374; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MLSTSRSRFIRNTNSESGETVTFDDYDYGAPCHKFDVKQIGAQLLPPLYSLVFIQFVGN 60
|||||

Db 1 MLSTSRSRFRINTNESGEEVTFDDYDYGAPCHKFDVKQIGAOQLPPLYSLVFIQFVGN 60
Qy 61 MLVVLILNCKKLCCLTDIYLLNLAISDLLELITPLWAHSAANEWFGNAMCKLFTGLY 120
Db 61 MLVVLILNCKKLCCLTDIYLLNLAISDLLELITPLWAHSAANEWFGNAMCKLFTGLY 120
Qy 121 HIGVEGGFFIILLTIDRYLAIVHAFKARTVTFGVVTSVITWLVAFASVPGIIFTK 180
Db 121 HIGVEGGFFIILLTIDRYLAIVHAFKARTVTFGVVTSVITWLVAFASVPGIIFTK 180
Qy 181 COKEDSVVCGPYFPRGWNNEHTIMRNILGLVPLIMVICYSGILKTLRLCRNEKKRRH 240
Db 181 COKEDSVVCGPYFPRGWNNEHTIMRNILGLVPLIMVICYSGILKTLRLCRNEKKRRH 240
Qy 241 AVRVTFTIMVYFLEWTPYNYVILLNTQEFFGLSNCESTSQLDOATQVETLGMTHCCI 300
Db 241 AVRVTFTIMVYFLEWTPYNYVILLNTQEFFGLSNCESTSQLDOATQVETLGMTHCCI 300
Qy 301 NPILYAFVGEKPSRSLFHAGLCRIAPLOKPVCGGPGVPRGKNNKVVTTQGLDGRGKSKI 360
Db 301 NPILYAFVGEKPSRSLFHAGLCRIAPLOKPVCGGPGVPRGKNNKVVTTQGLDGRGKSKI 360
Qy 361 GRAPEASLQDKEGA 374
Db 361 GRAPEASLQDKEGA 374

RESULT 4
US-08-466-343D-9
; Sequence 9, Application US/08466343D
; Patent No. 6025154
; GENERAL INFORMATION:
; APPLICANT: LI, Yi
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING HUMAN G-PROTEIN
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNER, KESSLER, GOLDSTEIN & FOX P.L.L.C.
; STREET: 1100 NEW YORK AVE., NW, SUITE 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,343D
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: STEFFE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.1150000/EKS/KLM
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 344 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-466-343D-9

Query Match 92.5%; Score 1823; DB 3; Length 344;
Best Local Similarity 100.0%; Pred. No. 9, 6e-139;
Matches 344; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 18 EVVTFDDYDYGAPCHKFDVKQIGAOQLPPLYSLVFIQFVGNMLVVLILNCKKLCCLT 77

Db 1 EVVTFDDYDYGAPCHKFDVKQIGAOQLPPLYSLVFIQFVGNMLVVLILNCKKLCCLT 60
Qy 78 DYLLNLAISDLLELITPLWAHSAANEWFGNAMCKLFTGLYHIGYFGIIFILLTID 137
Db 61 DYLLNLAISDLLELITPLWAHSAANEWFGNAMCKLFTGLYHIGYFGIIFILLTID 120
Qy 138 RYLAIVHAFKARTVTFGVVTSVITWLVAFASVPGIIFTKCOKEDSVVCGPYFPRG 197
Db 121 RYLAIVHAFKARTVTFGVVTSVITWLVAFASVPGIIFTKCOKEDSVVCGPYFPRG 180
Qy 198 WNNFTIMRNILGLVPLIMVICYSGILKTLRLCRNEKKRRHRAVRVIFTIMVYFLEW 257
Db 181 WNNFTIMRNILGLVPLIMVICYSGILKTLRLCRNEKKRRHRAVRVIFTIMVYFLEW 240
Qy 258 PYNIVILLNTQEFFGLSNCESTSQLDOATQVETLGMTHCCIINPIIYAFVGEKPSRSLFH 317
Db 241 PYNIVILLNTQEFFGLSNCESTSQLDOATQVETLGMTHCCIINPIIYAFVGEKPSRSLFH 300
Qy 318 IALGCRIPALQKPVCGGPGVPRGKNNKVVTTQGLDGRGKSKI 361
Db 301 IALGCRIPALQKPVCGGPGVPRGKNNKVVTTQGLDGRGKSKI 344

RESULT 5
US-08-450-393A-4
; Sequence 4, Application US/08450393A
; Patent No. 5707815
; GENERAL INFORMATION:
; APPLICANT: Charo, Israel
; APPLICANT: Coughlin, Shaun
; TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT
; TITLE OF INVENTION: PROTEIN RECEPTORS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
; STREET: 5 Palo Alto Square
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94306-2155
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/450,393A
; FILING DATE: May 25, 1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Cserr, Luann
; REGISTRATION NUMBER: 31,822
; REFERENCE/DOCKET NUMBER: UCAL-237/0205
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-843-5165
; TELEFAX: 415-8857-0663
; TELETYPE: 380816CooLeypA
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 360 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-450-393A-4

Query Match 83.8%; Score 1651.5; DB 1; Length 360;
Best Local Similarity 95.5%; Pred. No. 5.4e-125;
Matches 319; Conservative 3; Mismatches 5; Indels 7; Gaps 3;

Qy 1 MLSTSRSRFRINTNESGEEVTFDDYDYGAPCHKFDVKQIGAOQLPPLYSLVFIQFVGN 60
Db 1 MLSTSRSRFRINTNESGEEVTFDDYDYGAPCHKFDVKQIGAOQLPPLYSLVFIQFVGN 60

QY 61 MLVVLILNCKKLCITDIYLLNLAISDLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120
DB 61 MLVVLILNCKKLCITDIYLLNLAISDLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120
QY 121 HIGYFGGIFIIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITLWLVAVFASVPGIIFTK 180
DB 121 HIGYFGGIFIIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITLWLVAVFASVPGIIFTK 180
QY 181 COKEDSVYVCGPYFPGWNNFHTIMRNILGLVPLLLIMVICYSGLIKTLRCRNEKKRHR 240
DB 181 COKEDSVYVCGPYFPGWNNFHTIMRNILGLVPLLLIMVICYSGLIKTLRCRNEKKRHR 240
QY 241 AVRVIITIMIVFLFWTPYNNIVILLNTFQEFFGLSNCESTSQLDQATQVTTGLMTHCCI 300
DB 241 AVRVIITIMIVFLFWTPYNNIVILLNTFQEFFGLSNCESTSQLDQATQVTTGLMTHCCI 300
QY 301 NPIIYAFVGEKFR---SLF---HIALG-CRIAPL 327
DB 301 NPIIYAFVGEKFR---SLF---HIALG-CRIAPL 327
QY 301 NPIIYAFVGEKFR---SLF---HIALG-CRIAPL 327
DB 301 NPIIYAFVGEKFR---SLF---HIALG-CRIAPL 327

RESULT 6

US-08-446-669-4

; Sequence 4, Application US/08446669

; Patent No. 6132987

; GENERAL INFORMATION:

; APPLICANT: Charo, Israel

; TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT

; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum

; STREET: 5 Palo Alto Square

; CITY: Palo Alto

; STATE: California

; COUNTRY: USA

; ZIP: 94306-2155

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/446,669

; FILING DATE: May 25, 1995

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Neeley, Richard

; REGISTRATION NUMBER: 30,092

; REFERENCE/DOCKET NUMBER: UCAL-237/0105

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 415-843-5000

; TELEFAX: 415-857-0663

; TELEX: 380816CooleyPA

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 360 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; US-08-446-669-4

Query Match 83.8%; Score 1651.5; DB 4; Length 360;
Best Local Similarity 95.5%; Pred. No. 5.4e-125;
Matches 319; Conservative 3; Mismatches 5; Indels 7; Gaps 3;

QY 1 MLSTSRSRFRINTNESGEVTFDFDYGAPCHKFDVKQIGAQQLLPPLYSLVFIQFVGN 60
DB 1 MLSTSRSRFRINTNESGEVTFDFDYGAPCHKFDVKQIGAQQLLPPLYSLVFIQFVGN 60
QY 61 MLVVLILNCKKLCITDIYLLNLAISDLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120

DB 61 MLVVLILNCKKLCITDIYLLNLAISDLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120
QY 121 HIGYFGGIFIIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITLWLVAVFASVPGIIFTK 180
DB 121 HIGYFGGIFIIILLTIDRYLAIVHAVFALKARTVTFGVVTSVITLWLVAVFASVPGIIFTK 180
QY 181 COKEDSVYVCGPYFPGWNNFHTIMRNILGLVPLLLIMVICYSGLIKTLRCRNEKKRHR 240
DB 181 COKEDSVYVCGPYFPGWNNFHTIMRNILGLVPLLLIMVICYSGLIKTLRCRNEKKRHR 240
QY 241 AVRVIITIMIVFLFWTPYNNIVILLNTFQEFFGLSNCESTSQLDQATQVTTGLMTHCCI 300
DB 241 AVRVIITIMIVFLFWTPYNNIVILLNTFQEFFGLSNCESTSQLDQATQVTTGLMTHCCI 300
QY 301 NPIIYAFVGEKFR---SLF---HIALG-CRIAPL 327
DB 301 NPIIYAFVGEKFR---SLF---HIALG-CRIAPL 327

RESULT 7

US-09-045-583-50

; Sequence 50, Application US/09045583

; Patent No. 6287805

; GENERAL INFORMATION:

; APPLICANT: Graham, Gerard J. et al.

; TITLE OF INVENTION: NO 6287805el Molecules of the G Protein-Coupled

; NUMBER OF SEQUENCES: 56

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: LAHIVE & COCKFIELD, LLP

; STREET: 28 State Street

; CITY: Boston

; STATE: Massachusetts

; COUNTRY: USA

; ZIP: 02109

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/045,583

; FILING DATE: 20-MAR-98

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Mandragoras, Amy E.

; REGISTRATION NUMBER: 36,207

; REFERENCE/DOCKET NUMBER: MNI-044

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617)227-7400

; TELEFAX: (617)742-4214

; INFORMATION FOR SEQ ID NO: 50:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 360 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; FRAGMENT TYPE: internal

; US-09-045-583-50

Query Match 83.8%; Score 1651.5; DB 4; Length 360;
Best Local Similarity 95.5%; Pred. No. 5.4e-125;
Matches 319; Conservative 3; Mismatches 5; Indels 7; Gaps 3;

QY 1 MLSTSRSRFRINTNESGEVTFDFDYGAPCHKFDVKQIGAQQLLPPLYSLVFIQFVGN 60
DB 1 MLSTSRSRFRINTNESGEVTFDFDYGAPCHKFDVKQIGAQQLLPPLYSLVFIQFVGN 60
QY 61 MLVVLILNCKKLCITDIYLLNLAISDLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120

Db 61 MLVLLINCKKLCITDIYLLNLAISSDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120
QY 121 HIGYGGIFFIILLTDRYLAIVHAFVFKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180
Db 121 HIGYGGIFFIILLTDRYLAIVHAFVFKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180
QY 181 COKEDSVVCGPYFPGWNNFHTIMRNILGLVLPILLIMVICYSGILKTLRLCRNEKKRRH 240
Db 181 COKEDSVVCGPYFPGWNNFHTIMRNILGLVLPILLIMVICYSGILKTLRLCRNEKKRRH 240
QY 241 AVRVIETIMVYFLEWTPYNIIVILLNTFQEFFGLSNCSTSSOLDQATQVETLGMTHCCI 300
Db 241 AVRVIETIMVYFLEWTPYNIIVILLNTFQEFFGLSNCSTSSOLDQATQVETLGMTHCCI 300
QY 301 NPIIYAFVGEKFR---SLF---HIALG-CRIAPL 327
Db 301 NPIIYAFVGEKFRYLSVFFRKHTKRCKQCPV 334

RESULT 8

US-09-534-185-50
; Sequence 50, Application US/09534185
; Patent No. 6403767
; GENERAL INFORMATION:
; APPLICANT: Graham, Gerard J. et al.
; TITLE OF INVENTION: No. 6403767el Molecules of the G protein-Coupled
; Heptahelical Receptor Superfamily and Uses
; Therefor
; NUMBER OF SEQUENCES: 56
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/534,185
; FILING DATE: 24-Mar-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/045,583
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: MNI-044
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 360 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; SEQUENCE DESCRIPTION: SEQ ID NO: 50:
US-09-534-185-50

Query Match 83.8%; Score 1651.5; DB 4; Length 360;
Best Local Similarity 95.5%; Pred. No. 5.4e-125;
Matches 319; Conservative 3; Mismatches 5; Indels 7; Gaps 3;
QY 1 MLSTSRFRIRNTNESGEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSIVLFFGVGN 60
Db 1 MLSTSRFRIRNTNESGEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSIVLFFGVGN 60

QY 61 MLVLLINCKKLCITDIYLLNLAISSDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120
Db 61 MLVLLINCKKLCITDIYLLNLAISSDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120
QY 121 HIGYGGIFFIILLTDRYLAIVHAFVFKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180
Db 121 HIGYGGIFFIILLTDRYLAIVHAFVFKARTVTFGVVTSVITWLVAVFASVPGIIFTK 180
QY 181 COKEDSVVCGPYFPGWNNFHTIMRNILGLVLPILLIMVICYSGILKTLRLCRNEKKRRH 240
Db 181 COKEDSVVCGPYFPGWNNFHTIMRNILGLVLPILLIMVICYSGILKTLRLCRNEKKRRH 240
QY 241 AVRVIETIMVYFLEWTPYNIIVILLNTFQEFFGLSNCSTSSOLDQATQVETLGMTHCCI 300
Db 241 AVRVIETIMVYFLEWTPYNIIVILLNTFQEFFGLSNCSTSSOLDQATQVETLGMTHCCI 300
QY 301 NPIIYAFVGEKFR---SLF---HIALG-CRIAPL 327
Db 301 NPIIYAFVGEKFRYLSVFFRKHTKRCKQCPV 334

RESULT 9

PCT-US95-00476-4
; Sequence 4, Application PC/TUS9500476
; GENERAL INFORMATION:
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: MAMMALIAN MONOCYTE CHEMOATTRACTANT
; TITLE OF INVENTION: PROTEIN RECEPTORS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Robbins, Berliner & Carson
; STREET: 201 N. Figueroa Street, 5th Floor
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90012-2628
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/00476
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Berliner, Robert
; REGISTRATION NUMBER: 20,121
; REFERENCE/DOCKET NUMBER: 5555-291
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 310-977-1001
; TELEFAX: 310-977-1003
; TELEX:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 360 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US95-00476-4

Query Match 83.8%; Score 1651.5; DB 5; Length 360;
Best Local Similarity 95.5%; Pred. No. 5.4e-125;
Matches 319; Conservative 3; Mismatches 5; Indels 7; Gaps 3;

QY 1 MLSTSRFRIRNTNESGEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSIVLFFGVGN 60
Db 1 MLSTSRFRIRNTNESGEVTTFFDYDYGAPCHKFDVKQIGAQLLPPLYSIVLFFGVGN 60
QY 61 MLVLLINCKKLCITDIYLLNLAISSDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120
Db 61 MLVLLINCKKLCITDIYLLNLAISSDLLFLITLPLWAHSAANEWVFGNAMCKLFTGLY 120

QY 121 HIGVGGIFFILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLAVFASVPGIIFTK 180
Db 121 HIGVGGIFFILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLAVFASVPGIIFTK 180
QY 181 COKEDSVVCGPYFPRGWNPHFTIMRNILGLVPLLMVICYSGILKTLRCRNEKKRHR 240
Db 181 COKEDSVVCGPYFPRGWNPHFTIMRNILGLVPLLMVICYSGILKTLRCRNEKKRHR 240
QY 241 AVRVIPTIMIVYFLFWPTPNIVILLNTFQEFFGLSNCESTSQLDQATQVETLGMTHCCI 300
Db 241 AVRVIPTIMIVYFLFWPTPNIVILLNTFQEFFGLSNCESTSQLDQATQVETLGMTHCCI 300
QY 301 NPIIYAFVGEKFR---SLF---HIALG-CRIAPL 327
Db 301 NPIIYAFVGEKFRYLSVFFRKHITKRFCKQCPV 334

RESULT 10
US-08-833-752-7
Sequence 7, Application US/08833752
Patent No. 6448375
GENERAL INFORMATION:
APPLICANT: SAMSON, MICHEL
APPLICANT: PARMENTIER, MARC
APPLICANT: VASSART, GILBERT
APPLICANT: LIBERT, FREDERICK
TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/833,752
FILING DATE: 9-APR-1997
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel E.
REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER:
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 360 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 6448375e
US-08-833-752-7

Query Match 83.5%; Score 1645.5; DB 4; Length 360;
Best Local Similarity 94.9%; Pred. No. 1.6e-124;
Matches 317; Conservative 4; Mismatches 6; Indels 7; Gaps 3;
QY 1 MLSTSRFRIRNTNSESGETVTFDDYDYGAPCHKFDVKQIGALLPPLYSLVFIFGVGN 60
Db 1 MLSTSRFRIRNTNSESGETVTFDDYDYGAPCHKFDVKQIGALLPPLYSLVFIFGVGN 60
QY 61 MLVLLILNCKKLKCLTDIYLLNLAIISDLFLITPLWAHSAANEVFGNAMCKLFTGLY 120
Db 61 MLVLLILNCKKLKCLTDIYLLNLAIISDLFLITPLWAHSAANEVFGNAMCKLFTGLY 120
QY 121 HIGVGGIFFILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLAVFASVPGIIFTK 180
Db 121 HIGVGGIFFILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLAVFASVPGIIFTK 180

QY 181 COKEDSVVCGPYFPRGWNPHFTIMRNILGLVPLLMVICYSGILKTLRCRNEKKRHR 240
Db 181 COKEDSVVCGPYFPRGWNPHFTIMRNILGLVPLLMVICYSGILKTLRCRNEKKRHR 240
QY 241 AVRVIPTIMIVYFLFWPTPNIVILLNTFQEFFGLSNCESTSQLDQATQVETLGMTHCCI 300
Db 241 AVRVIPTIMIVYFLFWPTPNIVILLNTFQEFFGLSNCESTSQLDQATQVETLGMTHCCI 300
QY 301 NPIIYAFVGEKFR---SLF---HIALG-CRIAPL 327
Db 301 NPIIYAFVGEKFRYLSVFFRKHITKRFCKQCPV 334

RESULT 11
US-09-045-583-51
Sequence 51, Application US/09045583
Patent No. 6287805
GENERAL INFORMATION:
APPLICANT: Graham, Gerard J. et al.
TITLE OF INVENTION: No. 6287805el Molecules of the G Protein-Coupled
NUMBER OF SEQUENCES: 56
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/045,583
FILING DATE: 20-MAR-98
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E.
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MNI-044
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 51:
SEQUENCE CHARACTERISTICS:
LENGTH: 360 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-09-045-583-51

Query Match 82.0%; Score 1614.5; DB 4; Length 360;
Best Local Similarity 96.6%; Pred. No. 4.9e-122;
Matches 308; Conservative 4; Mismatches 4; Indels 3; Gaps 1;
QY 1 MLSTSRFRIRNTNSESGETVTFDDYDYGAPCHKFDVKQIGALLPPLYSLVFIFGVGN 60
Db 1 MLSTSRFRIRNTNSESGETVTFDDYDYGAPCHKFDVKQIGALLPPLYSLVFIFGVGN 60
QY 61 MLVLLILNCKKLKCLTDIYLLNLAIISDLFLITPLWAHSAANEVFGNAMCKLFTGLY 120
Db 61 MLVLLILNCKKLKCLTDIYLLNLAIISDLFLITPLWAHSAANEVFGNAMCKLFTGLY 120
QY 121 HIGVGGIFFILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLAVFASVPGIIFTK 180
Db 121 HIGVGGIFFILLTIDRYLAIVHAVFALKARTVTFGVVTSVITWLAVFASVPGIIFTK 180

QY 181 COKEDSVYVCGPYFPRGNNFHTIMRNILGLVPLLLIMVICYSGILKTLRLCRNEKKRHR 240
DB 181 COEDSVYVCGPYFPRGNNFHTIMRNILGLVPLLLIMVICYSGILKTLRLCRNEKKRHR 240
QY 241 AVRFTIMVYVFLFWTPYINIVILLNTFOEFFGLSNCESTOLDQATQVTEILGTHCCI 300
DB 241 AVRFTIMVYVFLFWTPYINIVILLNTFOEFFGLSNCESTOLDQATQVTEILGTHCCI 300
QY 301 NPIIYAFVGEKFR---SLF 316
DB 301 NPIIYAFVGEKFRYLSMF 319

RESULT 12
US-09-534-185-51
; Sequence 51, Application US/09534185
; Patent No. 6403767
; GENERAL INFORMATION:
; APPLICANT: Graham, Gerard J. et al.
; TITLE OF INVENTION: No. 6403767el Molecules of the G protein-Coupled
; Heptahelical Receptor Superfamily and Uses
; Therefor
; NUMBER OF SEQUENCES: 56
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: 24-Mar-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/534,185
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: MNI-044
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 360 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; SEQUENCE DESCRIPTION: SEQ ID NO: 51:
US-09-534-185-51

Query Match 82.0%; Score 1614.5; DB 4; Length 360;
Best Local Similarity 96.6%; Pred. No. 4.9e-122;
Matches 308; Conservative 4; Mismatches 4; Indels 3; Gaps 1;

QY 1 MLSTSRFRIRNTNESGEEVTFDYDGAPCHKFDVKQIGAQLLPPLYSILVFEGVGN 60
DB 1 MLSTSRFRIRNTNESGEEVTFDYDGAPCHKFDVKQIGAQLLPPLYSILVFEGVGN 60
QY 61 MLVVLILINCKKLSLDIYLLNLAISDLLFLITPLWHAASAANWVFGNAMCKLFTGLY 120
DB 61 MLVVLILINCKKLSLDIYLLNLAISDLLFLITPLWHAASAANWVFGNAMCKLFTGLY 120
QY 121 HIGYFGGIFFTILLIDRYLAIVHAVFALKARTVTFGVVTSVITLWVAVFASVPGIIFTK 180
DB 121 HIGYFGGIFFTILLIDRYLAIVHAVFALKARTVTFGVVTSVITLWVAVFASVPGIIFTK 180

DB 121 HIGYLGIGIFFTILLIDRYLAIVHAVFALKARTVTFGVVTSVITLWVAVFASVPGIIFTK 180
QY 181 COKEDSVYVCGPYFPRGNNFHTIMRNILGLVPLLLIMVICYSGILKTLRLCRNEKKRHR 240
DB 181 COEDSVYVCGPYFPRGNNFHTIMRNILGLVPLLLIMVICYSGILKTLRLCRNEKKRHR 240
QY 241 AVRFTIMVYVFLFWTPYINIVILLNTFOEFFGLSNCESTOLDQATQVTEILGTHCCI 300
DB 241 AVRFTIMVYVFLFWTPYINIVILLNTFOEFFGLSNCESTOLDQATQVTEILGTHCCI 300
QY 301 NPIIYAFVGEKFR---SLF 316
DB 301 NPIIYAFVGEKFRYLSMF 319

RESULT 13
US-08-461-244-3
; Sequence 3, Application US/08461244
; Patent No. 5776729
; GENERAL INFORMATION:
; APPLICANT: Soppet, Daniel R.
; APPLICANT: Yi, Li
; APPLICANT: Ruben, Steven M.
; APPLICANT: Rosen, Craig A.
; TITLE OF INVENTION: HUMAN G-PROTEIN RECEPTOR HGBR32
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN, CECCHI,
; ADDRESSEE: STUART & OLSTEIN
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07068

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/461,244
; FILING DATE: 05-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Feiraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-445
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 347 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-461-244-3

Query Match 80.7%; Score 1589.5; DB 1; Length 347;
Best Local Similarity 95.3%; Pred. No. 4.8e-120;
Matches 306; Conservative 3; Mismatches 5; Indels 7; Gaps 3;

QY 14 NESGEEVTFDYDGAPCHKFDVKQIGAQLLPPLYSILVFEGVGNMLVLLINCKKL 73
DB 1 NESGEEVTFDYDGAPCHKFDVKQIGAQLLPPLYSILVFEGVGNMLVLLINCKKL 60
QY 74 KCLTDIYLLNLAISDLLFLITPLWHAASAANWVFGNAMCKLFTGLYHIGYFGGIFFTIL 133
DB 61 KCLTDIYLLNLAISDLLFLITPLWHAASAANWVFGNAMCKLFTGLYHIGYFGGIFFTIL 120
QY 134 LTIDRYLAIVHAVFALKARTVTFGVVTSVITLWVAVFASVPGIIFTKCKQKEDSVVCGPY 193
DB 134 LTIDRYLAIVHAVFALKARTVTFGVVTSVITLWVAVFASVPGIIFTKCKQKEDSVVCGPY 193

Db 121 LTIDRYLAIVHAFKARTVTFGVTSTVITLWVAFASVPGIIFTKCKEDSVVVCOPY 180
QY 194 FPGWNNFHTMRNLTGVLPLLMVICYSGLKTLRCRNEKKRHRVAVRIFTIMIVF 253
Db 181 FPGWNNFHTMRNLTGVLPLLMVICYSGLKTLRCRNEKKRHRVAVRIFTIMIVF 240
QY 254 LFWTPTNIVILLNTFQEFFGLSNCSTSQLDQATQVTTGLMTHCCINPIIYAFVGER 313
Db 241 LFWTPTNIVILLNTFQEFFGLSNCSTSQLDQATQVTTGLMTHCCINPIIYAFVGER 300
QY 314 ---SLF---HIALG-CRIAPL 327
Db 301 RYLSVFRKHITKRECKQCPV 321
RESULT 14
US-09-517-605-5
; Sequence 5, Application US/09517605
; Patent No. 6391567
; GENERAL INFORMATION:
; APPLICANT: Littman, Dan R.
; APPLICANT: Kwon, Douglas S.
; APPLICANT: van Kooyk, Yvette
; APPLICANT: Geijtenbeck, Theo
; TITLE OF INVENTION: METHODS OF USING A FACILITATOR OF RETROVIRAL ENTRY INTO
; FILE REFERENCE: 1049-1-017
; CURRENT APPLICATION NUMBER: US/09/517,605
; CURRENT FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-517-605-5

Query Match 62.7%; Score 1236; DB 4; Length 352;
Best Local Similarity 77.4%; Pred. No. 9,8e-92;
Matches 236; Conservative 25; Mismatches 34; Indels 10; Gaps 2;
QY 25 DYDYGAPCHKFDVKQGAQLLPPLYSLVTFFGVGNMLVILINCKKCLTDIYLLNL 84
Db 13 DYDTSFPCOKINVKQIAARLLPPLYSLVTFFGVGNMLVILINCKKCLTDIYLLNL 72
QY 85 ATSDLLFLTLPLWHAASANEWVFGNAMCKLFTGLYHIGYFGGIFFTIDRYLAIVH 144
Db 73 ATSDLLFLTLPLWHAASANEWVFGNAMCKLFTGLYHIGYFGGIFFTIDRYLAIVH 132
145 AVFALKARTVTFGVTSVITLWVAFASVPGIIFTKCKEDSVVVCOPYPP-RCWNN 200
Db 133 AVFALKARTVTFGVTSVITLWVAFASVPGIIFTKCKEDSVVVCOPYPP-RCWNN 192
QY 201 FHTIMRNILGLVPLLMVICYSGLKTLRCRNEKKRHRVAVRIFTIMIVFLEWPPYN 260
Db 193 FQTLKIVILGLVPLLMVICYSGLKTLRCRNEKKRHRVAVRIFTIMIVFLEWAPYN 252
QY 261 IVILLNTFQEFFGLSNCSTSQLDQATQVTTGLMTHCCINPIIYAFVGERKFSLF- 316
Db 253 IVILLNTFQEFFGLSNCSSNRDLQAMQVTTGLMTHCCINPIIYAFVGERKFSLF 312
QY 317 --HIA 319
Db 313 QKHIA 317

RESULT 15
US-08-724-984A-2
; Sequence 2, Application US/08724984A
; Patent No. 6388055
; GENERAL INFORMATION:
; APPLICANT: Derk Bergsma, Mary Brawner, and Usman Shabon
; TITLE OF INVENTION: No. 6388055el Mouse Genomic Clone of the CC-

; TITLE OF INVENTION: CKR5 Receptor
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road, P.O. Box 1539
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406-0939
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM 486
; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
; SOFTWARE: MICROSOFT WORD
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/724,984A
; FILING DATE: October 3, 1996
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: William T. Han 34,344
; REGISTRATION NUMBER:
; REFERENCE/DOCKET NUMBER: ATG50023
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610 270 5024
; TELEFAX: 610 270 5090
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 354
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-724-984A-2

Query Match 62.6%; Score 1234; DB 4; Length 354;
Best Local Similarity 74.7%; Pred. No. 1.4e-91;
Matches 230; Conservative 29; Mismatches 43; Indels 6; Gaps 2;
QY 17 GEEVTTFFDYDG--APCHKFDVKQGAQLLPPLYSLVTFFGVGNMLVILINCKK 74
Db 5 GSVPTIYDIDYGSAPCOKINVKQIAARLLPPLYSLVTFFGVGNMLVILINCKK 64
QY 75 CLTDIYLLNLATSDLLFLTLPLWHAASANEWVFGNAMCKLFTGLYHIGYFGGIFFT 134
Db 65 SVTDIYLLNLATSDLLFLTLPLWHAASANEWVFGNAMCKLFTGLYHIGYFGGIFFT 124
QY 135 TIDRYLAIVHAFKARTVTFGVTSVITLWVAFASVPGIIFTKCKEDSVVVCOPY 194
Db 125 TIDRYLAIVHAFKARTVTFGVTSVITLWVAFASVPGIIFTKCKEDSVVVCOPY 184
QY 195 PRG-----WNNFHTIMRNILGLVPLLMVICYSGLKTLRCRNEKKRHRVAVRIFTIM 250
Db 185 PHTQVHFVKSFQTLKMWILSLILPLLMVICYSGLKTLRCRNEKKRHRVAVRIFTIM 244
QY 251 VYFLEWTPNIVILLNTFQEFFGLSNCSTSQLDQATQVTTGLMTHCCINPIIYAFVGE 310
Db 245 VYFLEWTPNIVILLNTFQEFFGLSNCSSNRDLQAMQVTTGLMTHCCINPIIYAFVGE 304
QY 311 KFRSLFHI 318
Db 305 KFRSLVS 312

Search completed: May 19, 2003, 16:50:01
Job time : 20.8719 secs